

ABSTRACT OF THE DISCLOSURE

A magnetic signal transmission line includes a one-dimensional array of a plurality of single-magnetization domains each formed in a ferromagnetic body. The anisotropic energy of the single-magnetization domains is zero to 120% of the interactive energy acting between dipoles in adjacent single-magnetization domains. The single-magnetization domains are formed by sputtering iron onto a silicon substrate by using a mask.

09525133.023.14000